

UNITED STATES NM OIL CONS. COMM.
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY Artesia, NM 88210

C/SF
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

CENTURY OIL & GAS CORPORATION ✓

3. ADDRESS OF OPERATOR

717 17th. Street, Ste. 1770, Denver, CO 80202 RECEIVED

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1980'/S

660'/E

Sec. 18

FEB 25 1982

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

9 Miles west-northwest of Kenna, N.M. ARTESIA, OFFICE

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1980'

16. NO. OF ACRES IN LEASE

1800.05

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

None

19. PROPOSED DEPTH

8900' Granite Wash

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4360' GL

22. APPROX. DATE WORK WILL START*

February 14, 1982

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2 "	13 3/8"	48# H-40	300'	350 sx Class C (Circulated)
11"	8 5/8"	24# K-55	1500'	1000 sx (Circulated)
7 7/8"	5 1/2"	14# K-55	TD	200 sx

Propose to drill to Granite Wash to evaluate all commercially prespective formations. See attached Supplement for Drilling and BOP data. Standard completions, consisting of perforating and stimulating the deepest favorable zone, will be conducted.

Drilling will be conducted over the February 28, 1982, lease expiration date to justify a 2-year extension pursuant to 43 CFR 3701.2-3.

Gas is not dedicated.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

JERRY W. LONG

TITLE Agent

DATE February 9, 1982

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

FEB 22 1982

JAMES A. OLLIHAM
DISTRICT SUPERVISOR

APPROVAL DATE

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

DATE

See Instructions On Reverse Side

Posted ID-1
API & NL Book
2-26-82

RECEIVED
FEB 9 1982

All dist. must be from the outer boundaries of the Sect

Operator Century Oil & Gas Corp.		Lease Century Kenna Federal		Well No. 1
Well Letter I	Section 18	Township 5 South	Range 29 East	County Chaves
Actual Postage Location of Well: 1980 feet from the South line and 660 feet from the East line				
Ground Level Elev. 4360	Producing Formation Ellenburger		Pool Wildcat	Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). Single Lease

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.

Sec. 18, T.5 S., R.29 E., N.M.P.M.

NM 15006

660'

1980'

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name

JERRY W. LONG

Position

Agent

Company

CENTURY OIL & GAS CORPORATION

Date

February 9, 1982

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

February 9, 1982

Registered Professional Engineer and/or Land Surveyor

John D. Jaquess, P.E. & L.S.

Certificate No.

6290

SUPPLEMENTAL DRILLING DATA

CENTURY OIL & GAS CORPORATION
No.1 Century Kenna Federal
NE¼SE¼ Sec.18-5S-29E
Chaves County, N.M.

NM 15006

The following items supplement Form 9-331C in accordance with NTL-6 instructions.

1. SURFACE FORMATION: Quaternary

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

San Andres	2240'	Mississippian	7750'
Glorieta	3580'	Devonian	8300'
Abo	5700'	Ellenburger	8500'
Wolfcamp	6400'	Granite Wash	8900'
Pennsylvanian	6850'		

3. ESTIMATED DEPTHS TO WATER, OIL OR GAS FORMATION:

Fresh water	- Above 300'
Gas	- 5700' to 8900'
Oil	- 8500' to 8900'

4. PROPOSED CASING PROGRAM: See Form 9-331C

5. PRESSURE CONTROL EQUIPMENT: Blowout preventer stack will consist of at least a double-ram blowout preventer rated to 3000#WP, with choke manifold and kill line. A sketch of the BOP is attached.

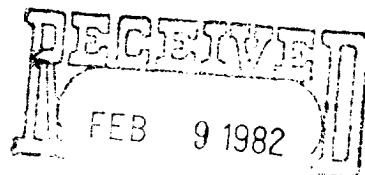
6. CIRCULATING MEDIUM:

<u>Surface to 300'</u> :	Fresh water with gel or lime for viscosity control.
<u>300' to 5600'</u> :	Brine water with salt gel as needed for viscosity control and lime as needed for pH control.
<u>5600' to TD</u> :	Low solids, salt gel and oil type drilling fluid conditioned as necessary for well control.

7. AUXILIARY EQUIPMENT: Full-opening kelly cock, to fit the drill string in use, will be kept on the rig floor at all times.
8. TESTING LOGGING AND CORING PROGRAM:
- Samples: Samples will be taken from surface casing shoe to TD.
 - DST's: Depending on samples, drilling time and logging data.
 - Logging: Electric logs will include CNL-FDC with Gamma Ray and Dual Laterlog. Other logs will be run as determined by wellsite geologist.
 - Coring: None anticipated.
9. ABNORMAL PRESSURES, TEMPERATURES OR HYDROGEN SULFIDE:
None anticipated.
10. ANTICIPATED STARTING DATE: This lease has an expiration date of February 28, 1982. Drilling will commence about February 14, 1982 and will be drilling over the expiration date to justify a 2 year extension pursuant to 43 CFR 3701.2-3. Drilling should be completed within 30 days. Completion operations (perforations and stimulation) will follow drilling operations.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

CENTURY OIL & GAS CORPORATION
No.1 Century Kenna Federal
1980'/S 660'/E Sec.18-5S-29E
Chaves County, N.M.



NM 15006

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

This plan is submitted with the Application for permit to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal can be made of the environmental effects associated with the operation.

1. EXISTING ROADS:

- A. Exhibit "A" is a portion of a road map showing the location of the proposed well as staked. The well is approximately 9 miles west northwest of Kenna, New Mexico.
- B. Directions: Exit Hwy.70 approximately 300' west of the Kenna Post Office onto a County road going north. Continue north and west on this County road for about 4.5 miles. Turn west on the Byrd Ranch road and go about 7.75 miles to a new access road going north to the location.

2. PLANNED ACCESS ROAD:

- A. Length and Width: The access road will be an existing ranch road which will require up-grading. Access road will be about 8 miles long and 12' wide.
- B. Surfacing Material: Portions of the road which cross deep sand will be surfaced with caliche.
- C. Maximum Grade: Less than 2%.
- D. Turnouts: About two turn-outs per mile of road.
- E. Drainage Design: The road will provide for drainage where necessary.
- F. Culverts: None necessary

- G. Cuts and Fills: The well pad and portions of the road will require cuts and fills of about 3' due to existing sand dunes.
 - H. Gates, Cattle Guards: Two cattleguards will be installed as required by the rancher.
3. LOCATION OF EXISTING WELLS:
- A. The nearest well is a dry hole located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec.8-5S-29E.
4. LOCATION OF EXISTING AND /OR PROPOSED FACILITIES:
- A. There are no present wells or facilities on this lease.
 - B. If the well is productive, necessary production and storage equipment will be located on the well pad.
5. LOCATION AND TYPE OF WATER SUPPLY:
- A. Water will be purchased from a commercial source at Kenna, New Mexico, and hauled over existing roads.
6. SOURCE OF CONSTRUCTION MATERIALS:
- A. Caliche will be obtained from a pit located on privately-owned land in the SW $\frac{1}{4}$ Sec.17-5S-30E.
7. METHODS OF HANDLING WASTE DISPOSAL:
- A. Drill cuttings will be disposed of in the drilling pits.
 - B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
 - C. Water produced during test will be disposed of in the drilling pits. Oil produced during tests will be stored in test tanks until sold.
 - D. Current laws and regulations pertaining to the disposal of human waste will be complied with.
 - E. Trash, waste paper, garbage, and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind. Location of the trash pit is shown on Exhibit "C".

- F. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES:

- A. None necessary

9. WELL SITE LAYOUT:

- A. Exhibit "C" indicates the relative location and dimensions of the well pad, mud pits, reserve pit and major rig equipment.
- B. The location will require about 3' of cut and fill to level existing sand dunes.
- C. The reserve pit will be lined with plastic to prevent loss of water.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the wellsite in an aesthetically pleasing condition as possible.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. If the well is non-productive the disturbed area will be rehabilitated to Federal Agency requirements and will be accomplished as expeditiously as possible. Rehabilitation will conform to the requests of the surface owner.

11. OTHER INFORMATION:

- A. Topography: The topography is gently undulating and dunny. Regional slope is to the southwest.
- B. Soil: Sand
- C. Flora and Fauna: The flora consists of typical desert vegetation, such as yucca, cactus and various grasses. Fauna consists of desert wildlife such as birds, coyotes, rodents and snakes.
- D. Ponds or Streams: None

- E. Residences and Other Structures: There are no residences within 8 miles of the location. The nearest windmill is about 5 miles southeast.
- F. Archaeological, Historical and Other Cultural Sites: No artifacts were noted in the area of the pad or access roads. An Archaeologist from Eastern New Mexico University has been contracted to furnish a report and recommendation to the BLM regarding cultural resources.
- G. Land Use: Grazing
- H. Surface Ownership: The well is located on Private surface, owned by Byrd, Inc. None of the access road is located on Public surface.

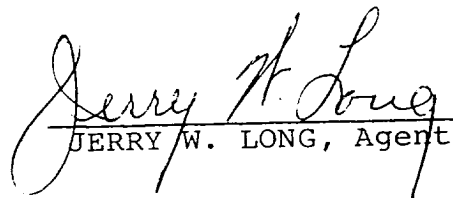
12. OPERATOR'S REPRESENTATIVE:

Mr. Jack McWilliams
717 17th. Street, Ste.1770
Denver, CO 80202
Ph.303-623-1008

13. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct; that the work associated with the operations proposed herein will be performed by CENTURY OIL & GAS CORPORATION and its sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

February 9, 1982
Date: _____


JERRY W. LONG, Agent

CENTURY OIL & GAS CORPORATION
No.1 Century Kenna Federal
1980'/S 660'/E Sec.18-5S-29E
Chaves County, N.M.
NM 15006

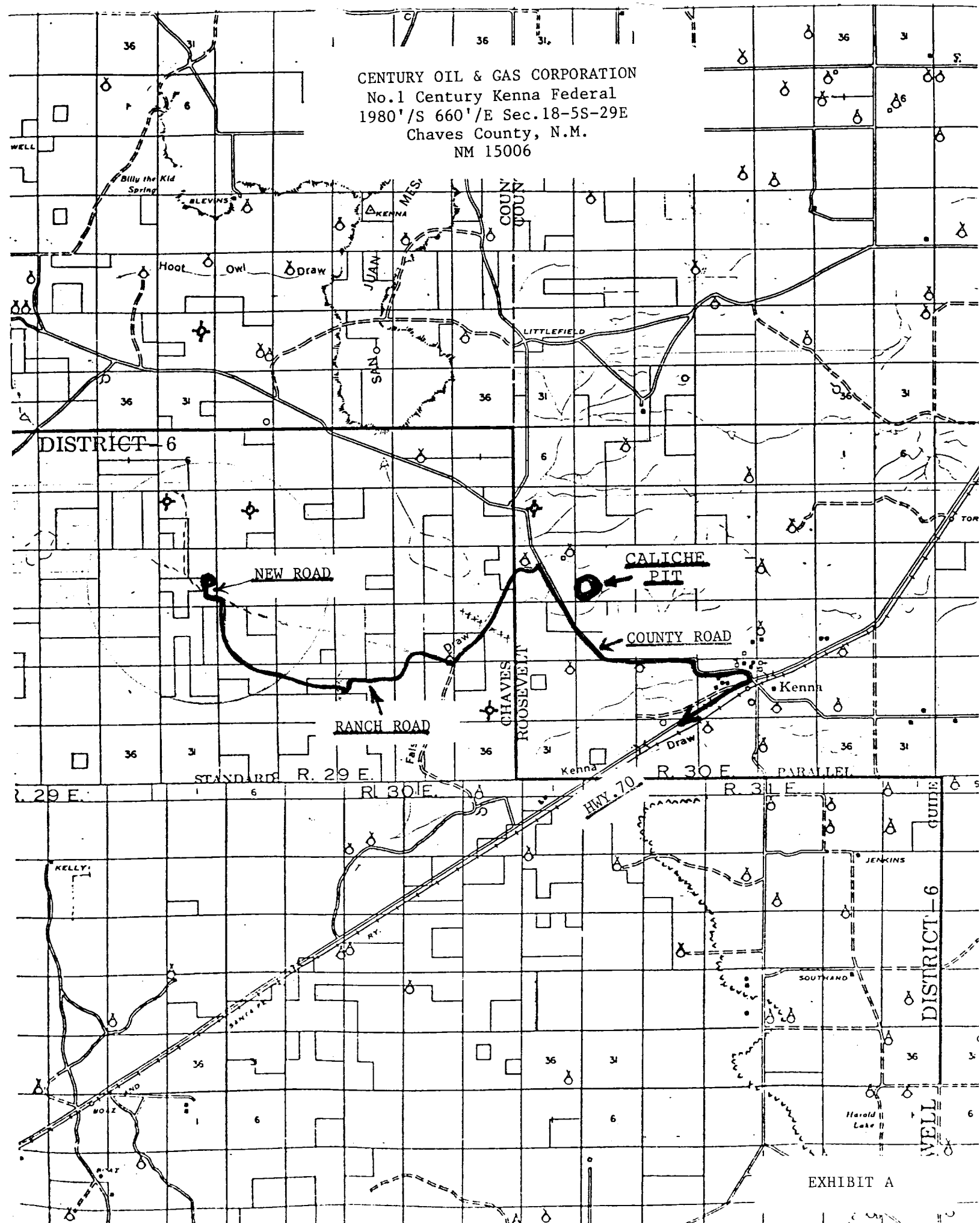


EXHIBIT A

(SAN JUAN MESA WEST)

399

400

53

01

000

00

00

00

CENTURY OIL & GAS CORPORATION
No. 1 Century Kenna Federal
1980' / S 660' / E Sec. 18-5S-29E
Chaves County, N.M.
NM 15006

18

15

14

NEW ROAD

RANCH ROAD

COUNTY ROAD

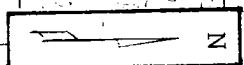
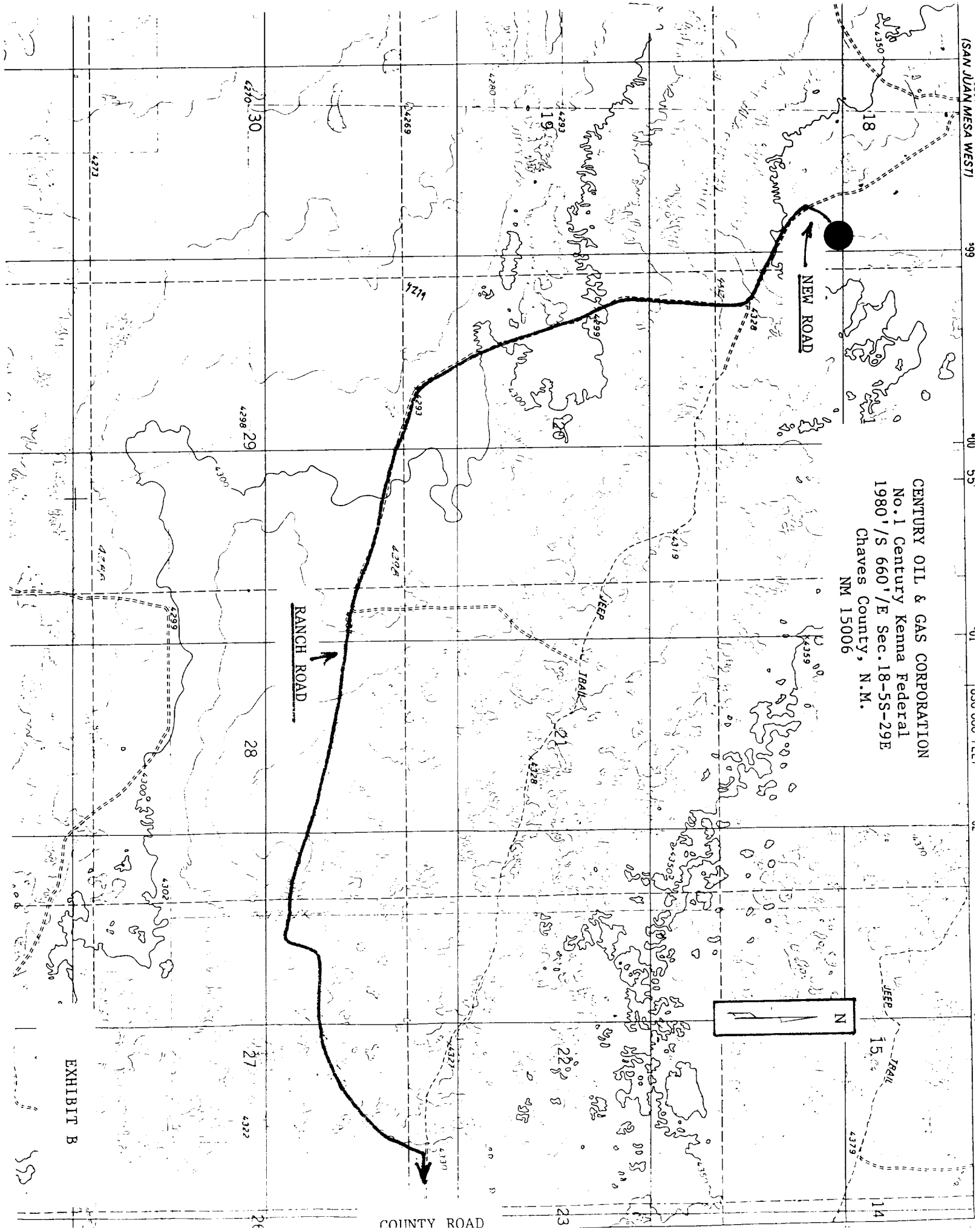
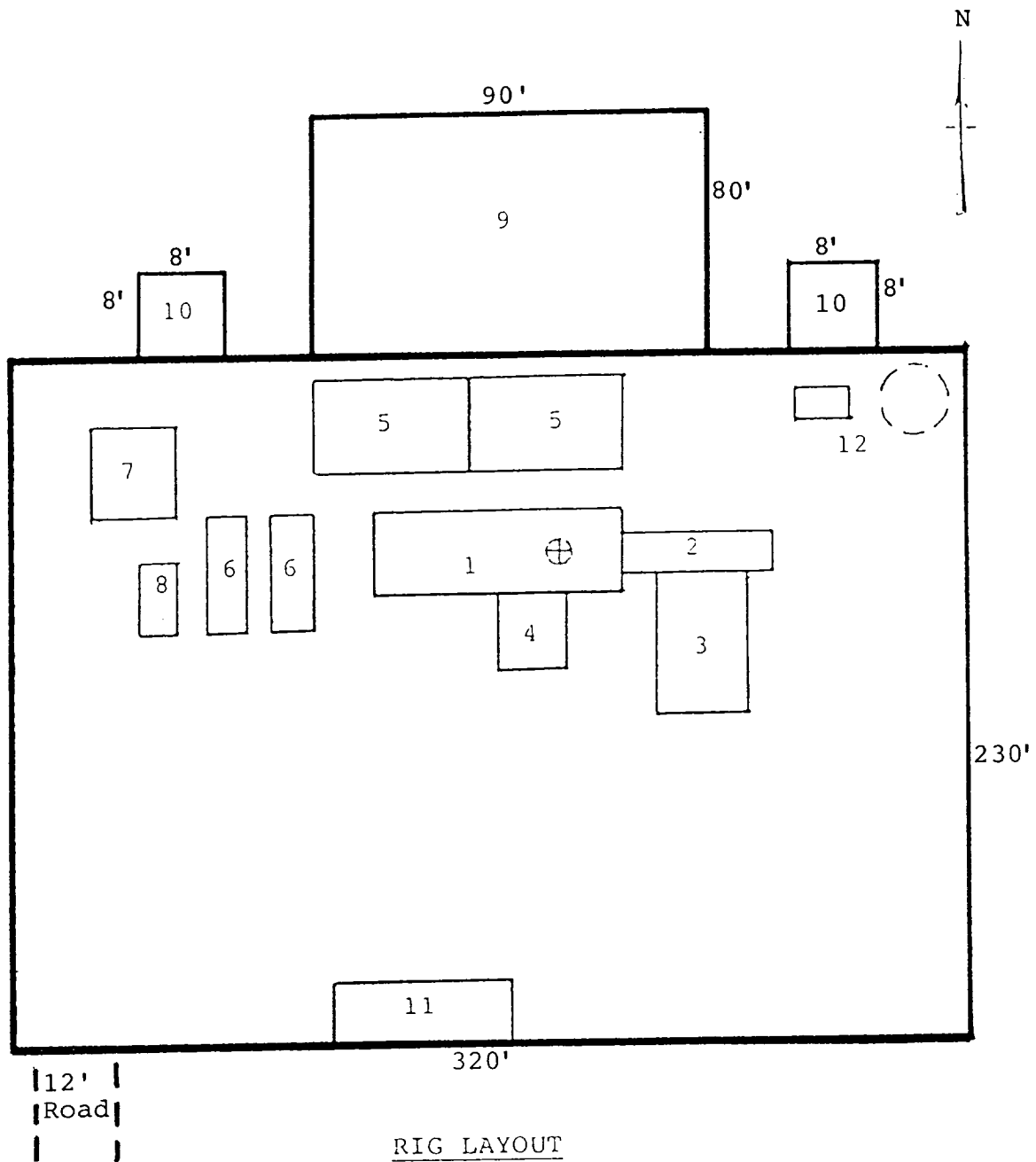


EXHIBIT B



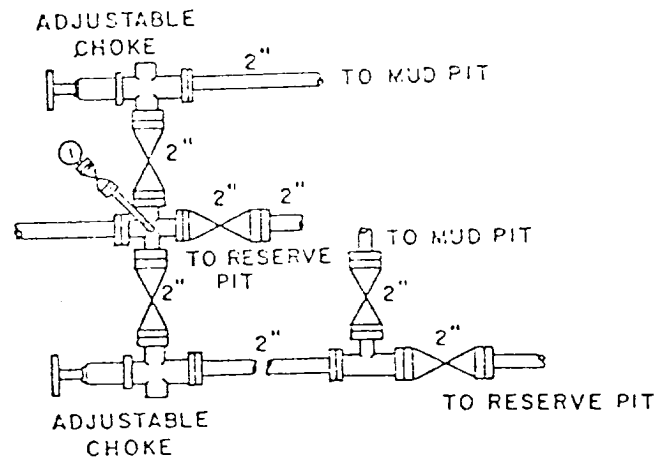
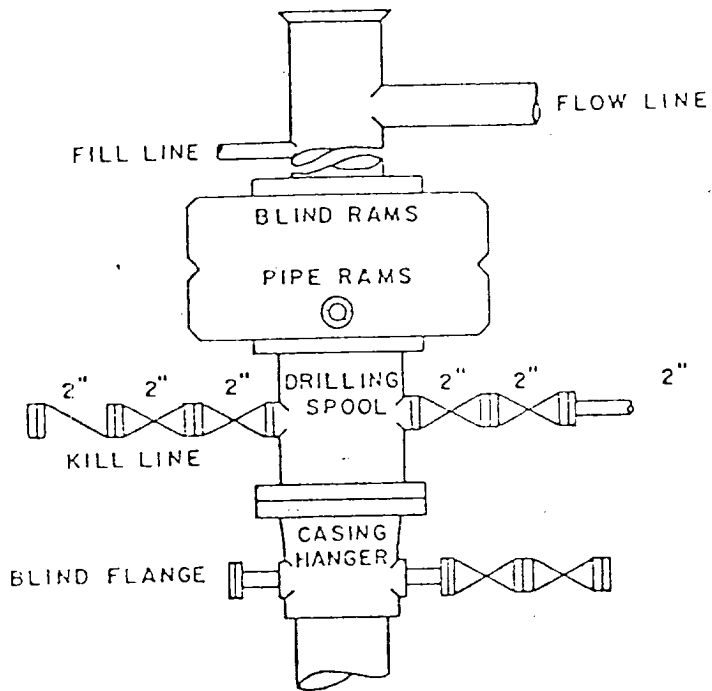
CENTURY OIL & GAS CORPORATION
 No.1 Century Kenna Federal
 NE¼SE¼ Sec.18-5S-29E
 Chaves County, N.M.



RIG LAYOUT

- | | |
|-----------------|---------------------------|
| 1. Substructure | 7. Water Tank |
| 2. Catwalk | 8. Light Plant |
| 3. Pipe Rack | 9. Reserve Pit |
| 4. Doghouse | 10. Trash Pit |
| 5. Mud Pits | 11. Trailer House |
| 6. Mud Pumps | 12. Production Facilities |

CENTURY OIL & GAS CORPORATION
 No.1 Century Kenna Federal
 NE¼SE¼ Sec.18-5S-29E
 Chaves County, N.M.



SERIES 900 BOP STACK
 RAMS WILL BE OPERATED DAILY